

# iPad Exploration

Jordy Whitmer  
&  
Sara Wilkie

<http://tinyurl.com/mjdsipad>

# iPad Exploration

## Introductions

Jordy & Sara



# iPad Exploration

## Technical Break

- Explain Everything
- iMovie
- iBooks
- PicCollage
- Show Me
- Audio Recording...

# iPad Exploration



**Changing How Students Learn**



# iPad Exploration



# “There’s an App For That”

# iPad Exploration

## Mobile Devices

- Anytime, anywhere learning
- Engaging
- Familiar – Used in students' personal lives
- “The Road to Knowledge Is Wider than Ever”
- Provide information on the go, portable research
- Like having a computer in your pocket
- Can be used as a field tool
- Longer battery life



# iPad Exploration

## Agenda - Day One

- iPad Basics
- Introductions Challenge (PicCollage)
- App Exploration/Mini Challenges
- App Activity Challenges
- Reflection & Wrap up

# iPad Exploration

## iPad Basics



- tap, pinch, swipe, flick, drag, rotate
- rotate screens
- create folders
- multitasking
- home button
- headphone jack
- power/sleep/wake button
- screen rotation
- volume control
- charging iPad
- other tips/tricks?



# iPad Exploration

## Built-In Apps

- Photobooth
- Safari
- Mail
- Camera
- Calendar
- Contacts
- Notes
- Maps
- Audio Recording
- YouTube?





# Groups of 4

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- Different grade levels/subjects
- Some beginners & some more experienced





## Independent Exploration

## 5 Min-iChallenge

- Can be done in any order
- Do whichever seems easiest first
- FAILURE is an acceptable option

1. Insert a picture (camera, camera roll, and/or web)
2. Add a background
3. Rotate your picture
4. Resize your picture
5. Add your name in text to your picture
6. Change the color of your text
7. Save your pic collage to your camera roll/photo library
8. What else can you discover about this App?



## Getting Started

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### *Our Super Powers*

- collage each group member
  - add super power in text
  - save to camera roll OR
    - email: [sara@novemberlearning.com](mailto:sara@novemberlearning.com)
- OR tweet to @MilwaukeeJDS*



# iPad Exploration

## App MiniChallenges

1. What is today's lead story in the NYTimes today?
2. Take a photo that reminds you of Airport Security (clue: FX)
3. Record a 30 second interview of your partner's favorite summer activity (school appropriate)
4. Search YouTube for "Thinkering Studio" (yes, use the quotes & no, it's not spelled wrong)
5. Create a note for today's workshop notes & create a second for a To Do list. **Bonus:** what determines the title of the note?
6. How long would it take to get from your home to school, walking?
7. Add an event with a reminder for lunch today at ...
8. Take 5 photos and create a slideshow w/ music (if available)





## Pedagogy of MiniChallenges

### Think - Pair - Share

1. What are the strengths/affordances of this kind of technique?
2. What are some of the drawbacks/constraints?





Good Morning!

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Welcome Back

Make Today  
A  
GREAT  
Day!







picCOLLAGE



Crafty  
Creature



Nautical  
Ninja



Cooking  
Queen



Magical  
Library Lady





PicCollAGE

Super  
Communicator

Super  
Nurse

Super  
Organized

Super  
Yoga

PicCollAGE





# PicCollAGE







Super Baker



Super Mom



MJOS SUPERHEROS



Super Tata



Super Mathematician



Super Aunt



Super Jew

2 cute  
+ 2 be  
4 gotten



Super Taxi Mom



Super Speed Reader

Super Friendly

In-service Shenanigans





PicCollAGE







Flying



Telekinesis



Laser  
Beam  
Hands



Super  
Organizer



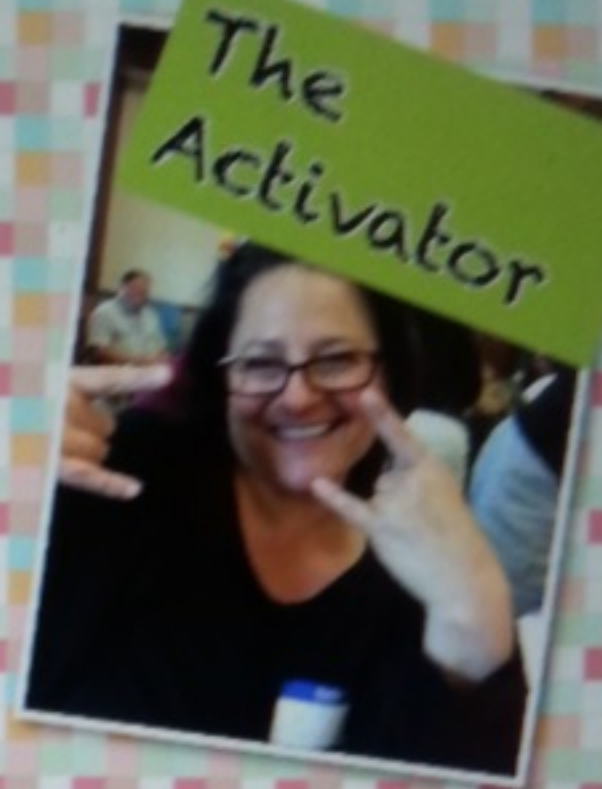
picCollAGE



Energizer



The Activator



Super Sense



The Connector



PicCollAGE

# Activity

## Mini-

# CHALLENGES





**Every Hand,  
Every Mind,  
Every Voice.**





# Design & Fly Challenge:

*Using only the materials listed below, work together to design a paper airplane that will fly as far/long as possible*



## ***Materials:***

5 sheets of paper

iPad

flight station

- individually, make an airplane
- team discusses & agrees on one plane to use for challenge
- or, team creates a new plane using each other's ideas
- film plane in flight & estimate distance flown
- discuss results, check out other options, design another
- film second flight & estimate distance, reflecting on "success"
- create a challenge summary with Explain Everything (3 slides)

# Are You Smart? *Build & Compare Challenge*

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*Using only the materials you have, work together to solve and share a series of building challenges*

## **Challenge 1:**

- Use only the **red** and **yellow** LEGOs
- Using a timer - build a “duckie” in 2 minutes or less (everyone builds part)
- Take a photo of your duckie
- Bonus - Tweet it out to @MilwaukeeJDS #legosmart
- Compare ducks with other teams tweets
- What lesson could be learned from this?
- Bonus - Tweet your “lesson learned” to @MilwaukeeJDS #legosmart

## **Materials:**

1 bag of LEGOs  
iPad  
Twitter account or use  
1 of us



# Solve & Explain Challenge:



Work together to explain a story problem and offer one solution in ShowMe

- Work with your team to create a mathematics story problem
- Record your story problem and solution using ShowMe or another visual recording device (2 minutes or less)
- Export video to camera roll/photo library
- *Theoretically* - How could this story problem video be shared?

# Tell & Share Challenge:



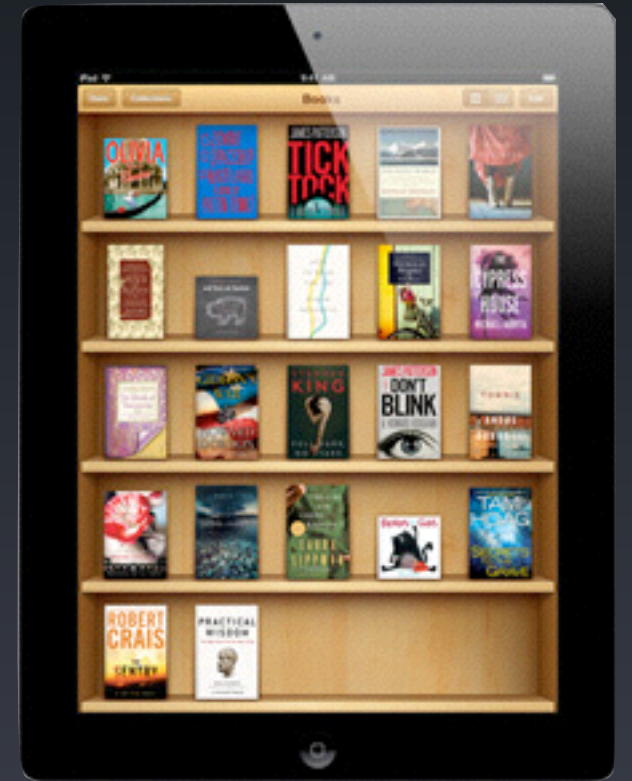
Using *any recording app*, work together to record a summary or retelling of your favorite story or book.

- team discusses & agrees on a story familiar to all
- team reviews a quick summary (2 minutes or less)
- team decides on who speaks which parts of the summary
- team records their summary (*\*bonus points for sound fx!*)
- team shares their recording with others (*in or outside of the room*)



## Call of the Wild: iBooks

- Download *Call of the Wild* (or another)
- How do you move around the book?
- How do bookmarks work?
- How do you look a word up in the dictionary?
- How do you highlight a section?
- How do you add a note?
- When is Yukon first mentioned?
- How do you get the iPad to “speak” your selection?
- Reflection - How will functionality like this help your teaching and your students’ learning? (Including those who need special support.)



# iPad Exploration

## 5 Frame Story: iMovie

- Slideshow ~ Create a 5 frame story
  - 1st photo: establish character(s) & setting
  - 2nd photo: create a situation with possibilities of what might happen
  - 3rd photo: involve the characters in the situation
  - 4th photo: build to probable outcomes
  - 5th photo: have a logical, but surprising end
- Or 3 frames: Beginning, Middle, & End



## Whole Group Share...

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- Challenges overcome
  - technical, team, other?
- What other challenges do learners typically face?
- What did you learn for yourself?
- What did you learn from others?
- What other “super powers” surfaced in each member of your team?



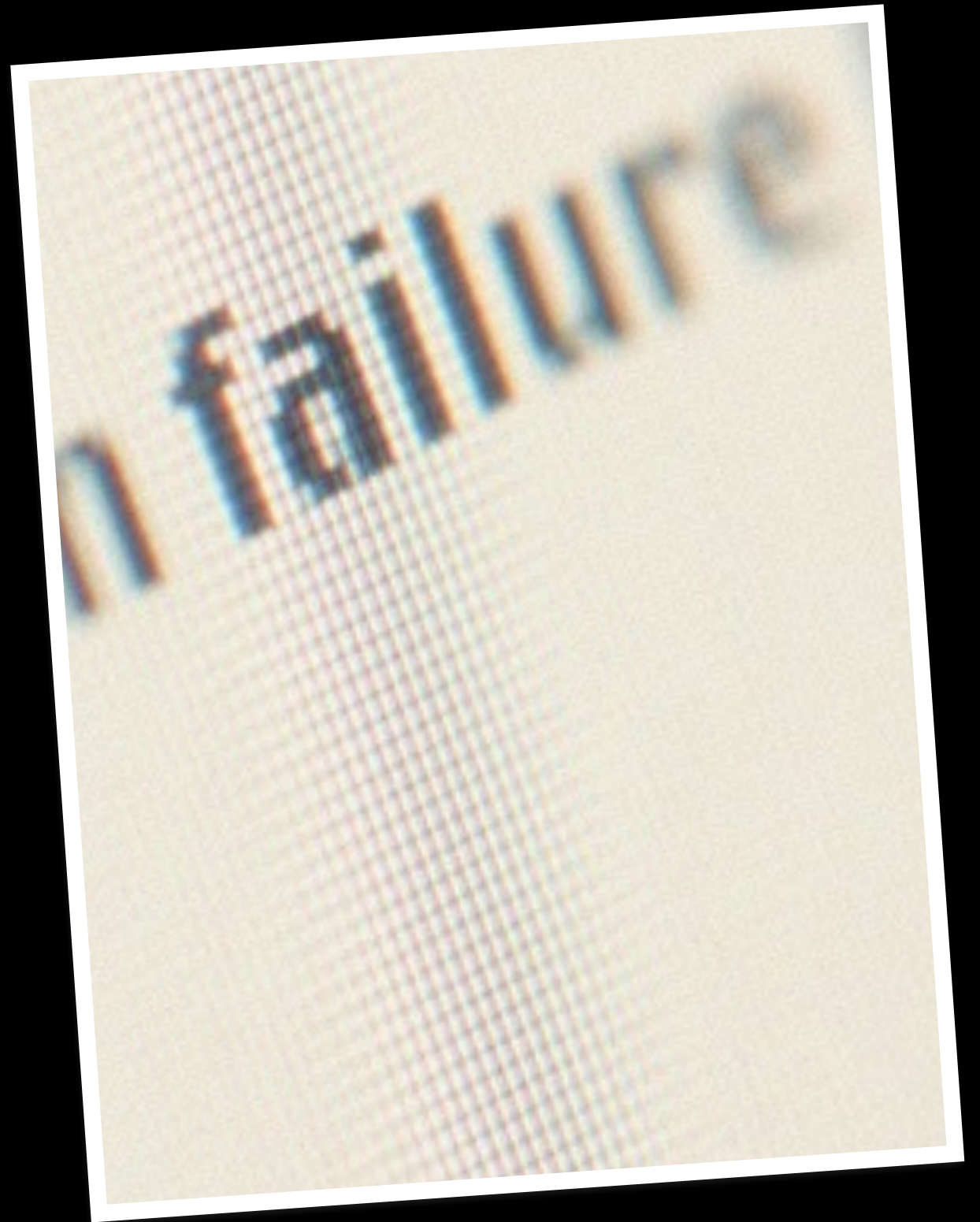
# FAILure...

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*What happens when we don't solve the problem?*

Work with your team to (re)create a meaning for F.A.I.L.

*When learning, what is it we want our kids to take away from "failure" or failed attempts?*



#fail2learn #milwaukeeJDS



~~F.A.I.L.~~

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**F**irst **A**tttempt **I**s **L**earning

**F**irst **A**tttempt, **I**terate and **L**earn



Fixed Mindset	Growth Mindset
Intelligence is static.	Intelligence can be developed.
Leads to a desire to <i>look smart</i> and therefore a tendency to	Leads to a desire to <i>learn</i> and therefore a tendency to
<ul style="list-style-type: none"><li>• <b>avoid challenges</b></li></ul>	<ul style="list-style-type: none"><li>• <b>embrace challenges</b></li></ul>
<ul style="list-style-type: none"><li>• <b>give up easily due to obstacles</b></li></ul>	<ul style="list-style-type: none"><li>• <b>persist despite obstacles</b></li></ul>
<ul style="list-style-type: none"><li>• <b>see effort as fruitless</b></li></ul>	<ul style="list-style-type: none"><li>• <b>see effort as path to mastery</b></li></ul>
<ul style="list-style-type: none"><li>• <b>ignore useful feedback</b></li></ul>	<ul style="list-style-type: none"><li>• <b>learn from criticism</b></li></ul>

# There's an App for That

- Mini Activity Challenge - 30 minutes
  - Pick 1 of 6 Mini Activities (if you finish early ...)
- App Sharing *via Padlet*
  - Favorite Ed App - What does it do & why do you like it?
- App Sources
  - BalancEdTech (including links to other lists)

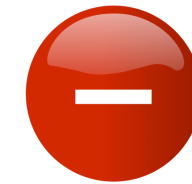


# Digging Deeper – 1

- Is there a better way to examine/discuss apps?



## Affordances / Constraints Chart



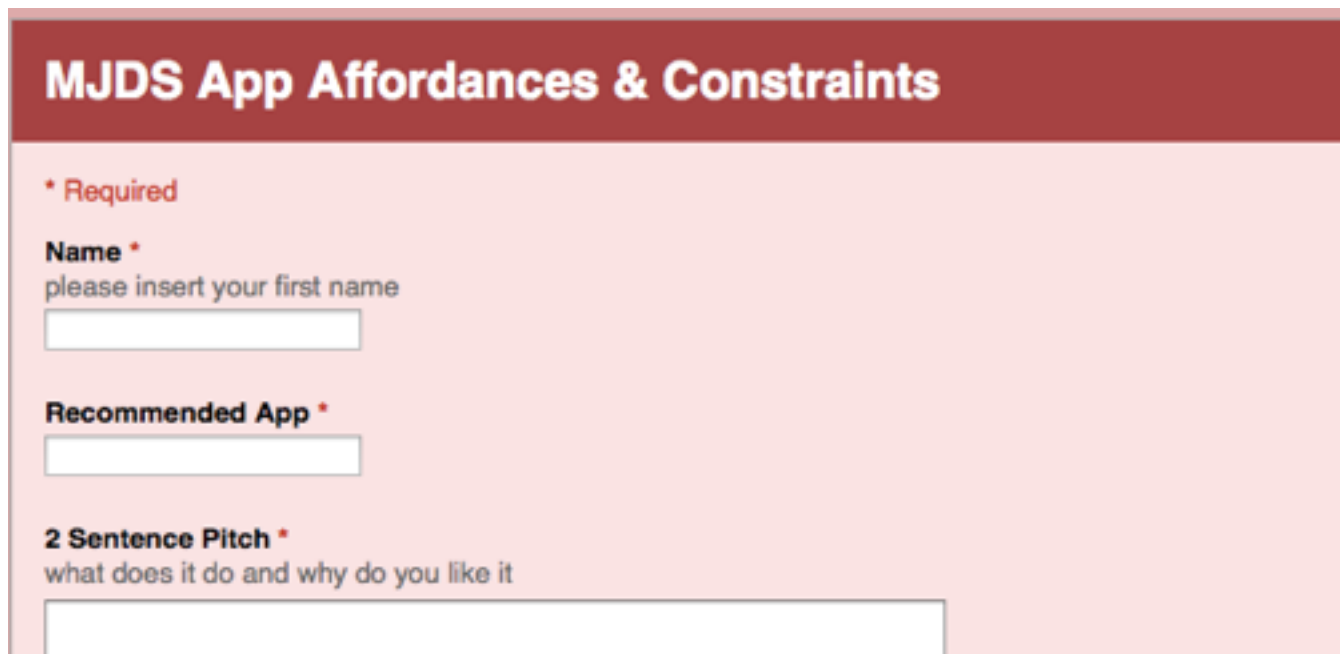
App: \_\_\_\_\_

Affordances / Strengths	Constraints / Concerns / Weaknesses



# Task – Affordances/Constraints

- Pair Explore - Share (10 minutes)
  - explore/discuss app with a partner
  - note affordances/constraints
  - share



The screenshot shows a web form titled "MJDS App Affordances & Constraints" with a red header. The form has a light pink background and contains three required fields, each marked with a red asterisk. The first field is labeled "Name" with the placeholder text "please insert your first name" and a text input box. The second field is labeled "Recommended App" with a text input box. The third field is labeled "2 Sentence Pitch" with the placeholder text "what does it do and why do you like it" and a larger text input box.

**MJDS App Affordances & Constraints**

**\* Required**

**Name \***  
please insert your first name

**Recommended App \***

**2 Sentence Pitch \***  
what does it do and why do you like it





9:18

83%

Accounts

8 Notes

Search

Notes

Shopping

9:17

Plastic 2,4,5 good 3,...

9:17

Grow or wither on the vine

9:17

APD August Sites

Jun 25

2wire

Apr 23

Knees

May 6, 2010

Notes



Today

Oct 20 9:18

Notes

Affordances

- free
- fast
- can email notes
- no formatting

Constraints

- no formatting

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.?123

.?123



# Affordances/Constraints

- Possible Criteria
  - Low Floor, Wide Walls, & High Ceiling
  - Age Appropriate
  - Curricular Connection
  - Engagement
  - Sharing/Exporting
  - Cost
- More Rubrics/Checklists on main page



# Digging Even Deeper

- Bloom's Taxonomy
- SAMR
- TPaCK - *just an overview*
- LoTi, ETaP
- Prensky



# Agenda

1. Introductions
2. Creativity
3. App Exploration
4. App Affordances/Constraints
- 5. Bloom's & App Classification - 20 min**
6. SAMR & Apptivity Classification
7. Apptivity Exploration & Tweaking

# Classifying Apps

Curiosity  
Creation  
Critical Thinking  
Communication  
Collaboration

Drill & Skill  
or  
Rote  
Consumption

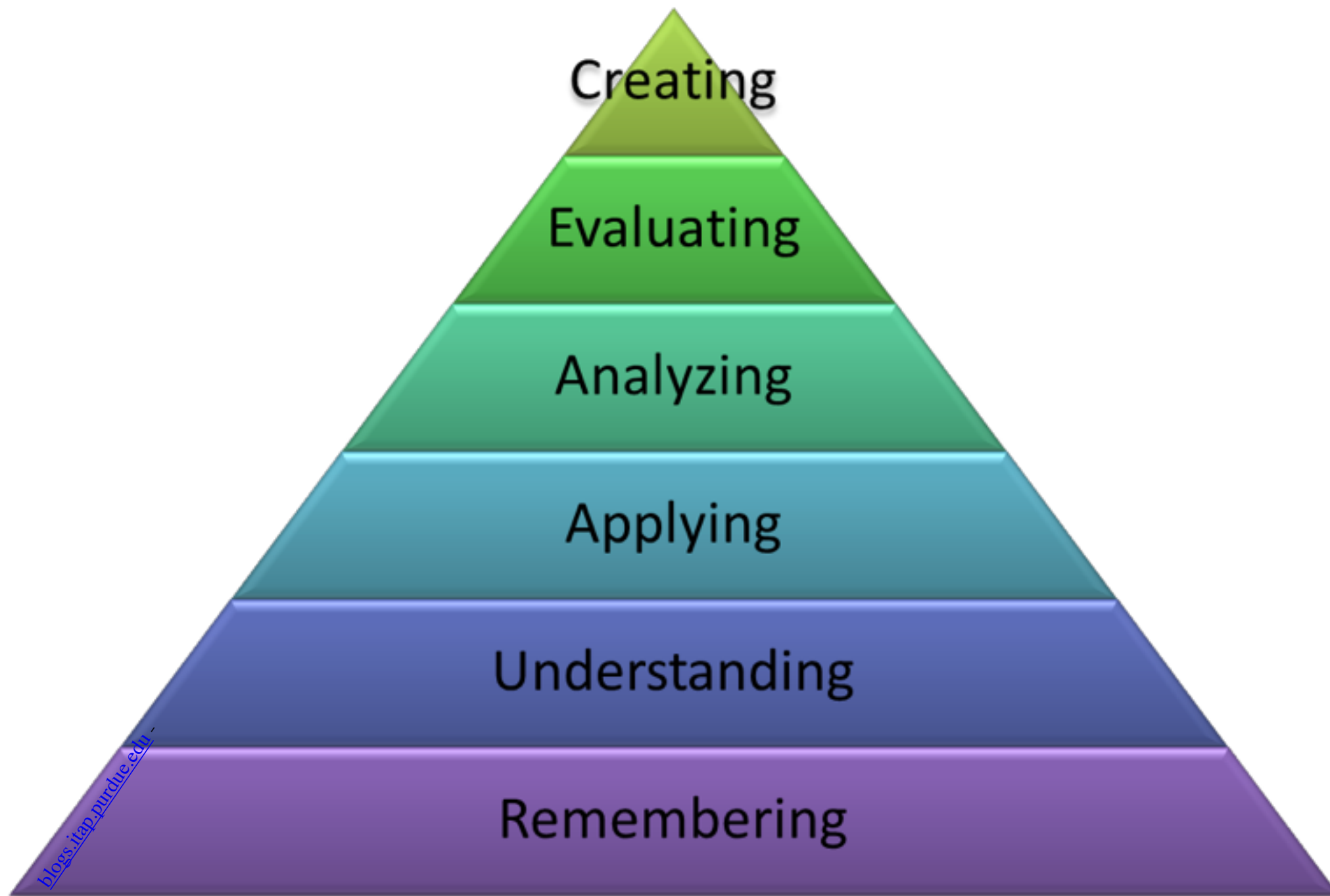


# 3D Perspectives

- Bloom's
- SAMR
- TPaCK

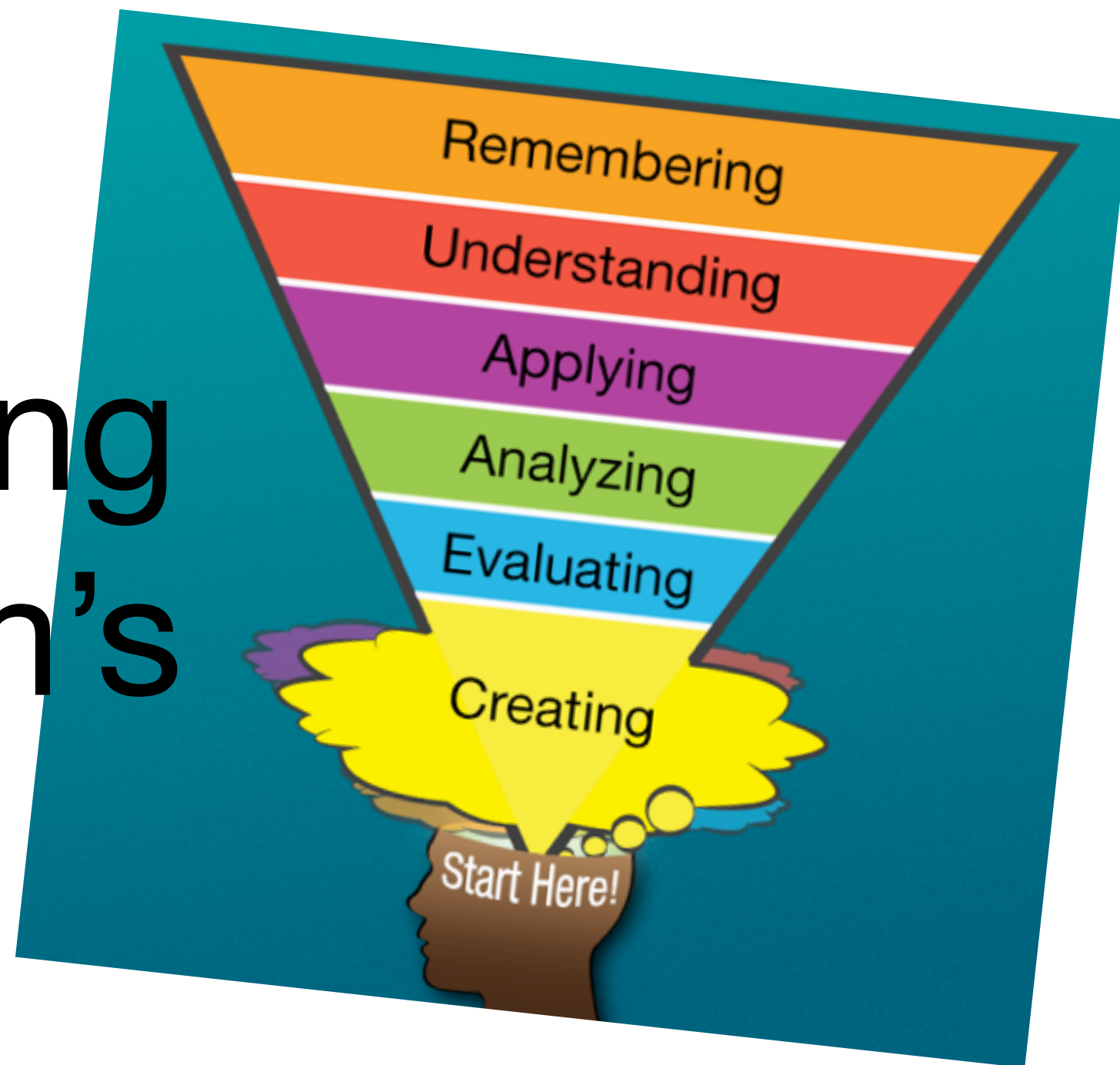






**Cognitive Domain**

# Flipping Bloom's

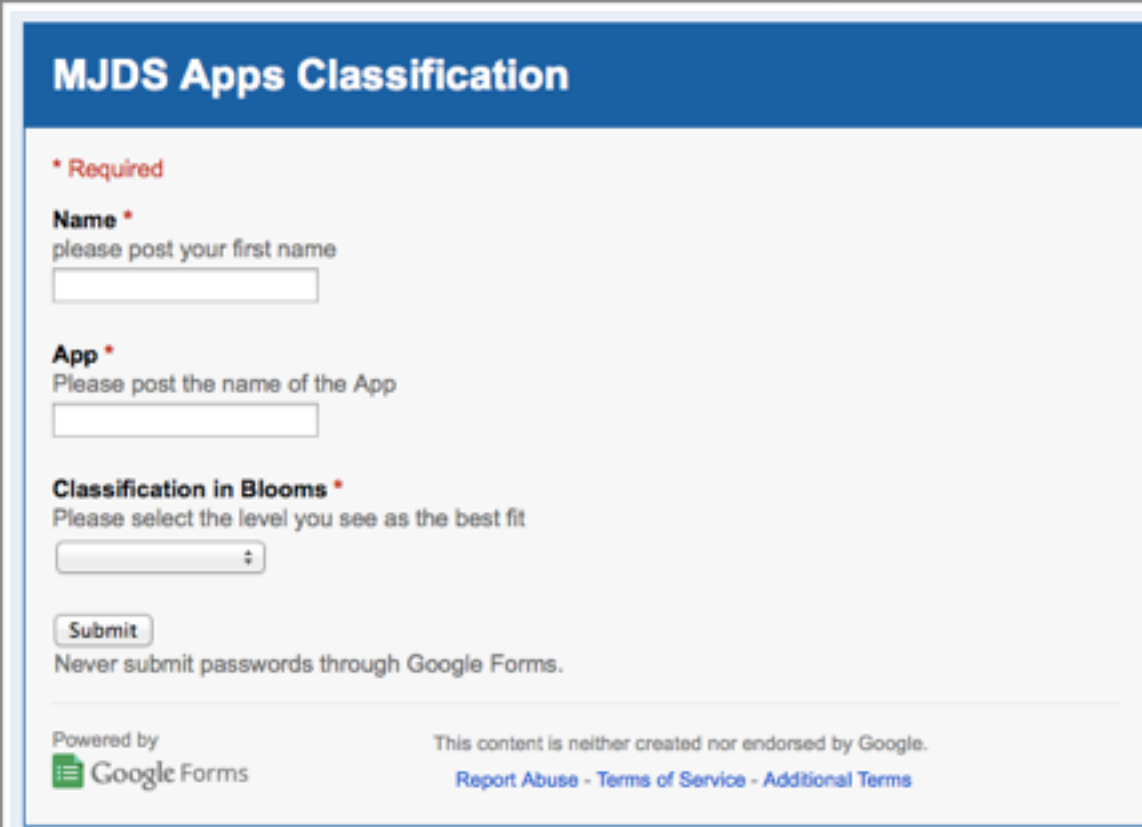


<http://plpnetwork.com/2012/05/15/flipping-blooms-taxonomy/>



# Task – Classifying Apps

- Add
- Post to Google Doc



**MJDS Apps Classification**


**\* Required**

**Name \***  
please post your first name

**App \***  
Please post the name of the App

**Classification in Blooms \***  
Please select the level you see as the best fit

Never submit passwords through Google Forms.

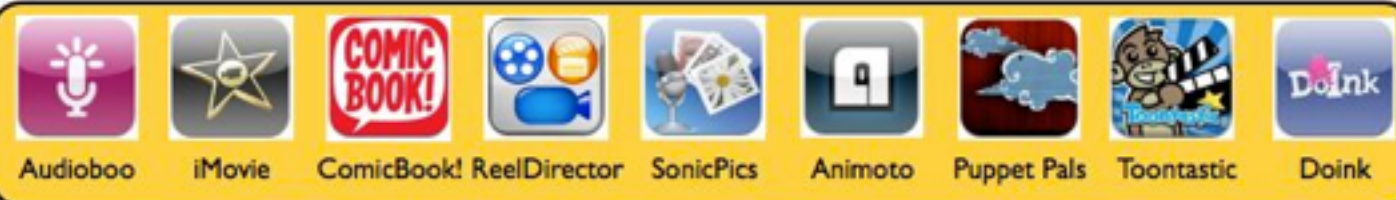
Powered by  Google Forms

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# Bloom's Taxonomy for iPads

## Creating



## Evaluating



## Analyzing



## Applying



## Understanding



## Remembering





# Please regroup in grade/subject alike teams

ESPRESSO DRINKS	
ESPRESSO	2.50
AMERICANO	2.80
MACCHIATO	3.00
CORTADO	3.50
CAPPUCCINO	3.70
LATTE	4.00
© LATTE	4.40
MOCHA	4.60
ALMOND MILK	.50¢

POUR OVER COFFEE	
1. COSTA RICA	3.50
FARM: LOBOS REGION: TARRAZU	
2. ETHIOPIA	4.25
REGION: YIRGACHEFFE	
3. EL SALVADOR	4.00
FARM: MATALAPA REGION: JUAN HIGUINO	
4. COLOMBIA "DECAF"	4.00
FARM: LOS IDOLOS REGION: HUILA "SUGAR CANE PROCESS"	

RISHI TEA	
GREEN BANCHA	2.50
CHINA BREAKFAST	2.50
CHAMOMILE MEDLEY	2.50
COCONUT DOLONG	2.50
OTHER DRINKS	
CHAI LATTE	3.80
HOT CHOCOLATE	4.00
SWEET MATCHA LATTE	5.00
*RISHI TEA IS FAIR TRADE & ORGANIC	

(secular and Jewish studies combined)

We Create

*realizing the capacity of our kids*



# Agenda

1. Introductions
2. Creativity
3. App Exploration
4. App Affordances/Constraints
5. Bloom's & App Classification
- 6. SAMR & Apptivity Classification - 40 min**
7. Apptivity Exploration & Tweaking

## ***Transformation***

<b>Redefinition</b>	App allows for the creation of new tasks, previously inconceivable	Add Apps Here
<b>Modification</b>	App allows for significant redesign	
<b>Augmentation</b>	App acts as direct tool substitute, with functional improvement	
<b>Substitution</b>	App acts as direct tool substitute, with no functional change	

## ***Enhancement***



## Transformation

<b>Redefinition</b>	Apptivity allows for the creation of new tasks, previously inconceivable	? ? ?, Skype interview with Jack London scholar, use of Maps to follow Buck's travels, use of Flickr to picture the locales, Wordle word study, Tweets from Buck's perspective, Photabulary ...
<b>Modification</b>	Apptivity allows for significant redesign	Teams use Google Doc to summarize a chapter, then asynchronously script, and finally use GarageBand to record CliffNotes styled podcasts or a ComicLife graphic novel
<b>Augmentation</b>	Apptivity acts as direct tool substitute, with functional improvement	Students read <i>Call of The Wild</i> using iBooks, using the built in dictionary, highlighting passages, and taking notes
<b>Substitution</b>	Apptivity acts as direct tool substitute, with no functional change	Students read <i>Call of The Wild</i> using iBooks

## Enhancement

# Task – Apptivity Classification

- Individually,
  - read a selected Apptivity
  - classify the Apptivity – Discuss why it belongs there
- In pairs or threes,
  - share your apptivity and how you classified it
  - imagine how the apptivity could be modified that might cause it to be classified higher/lower
- Group share



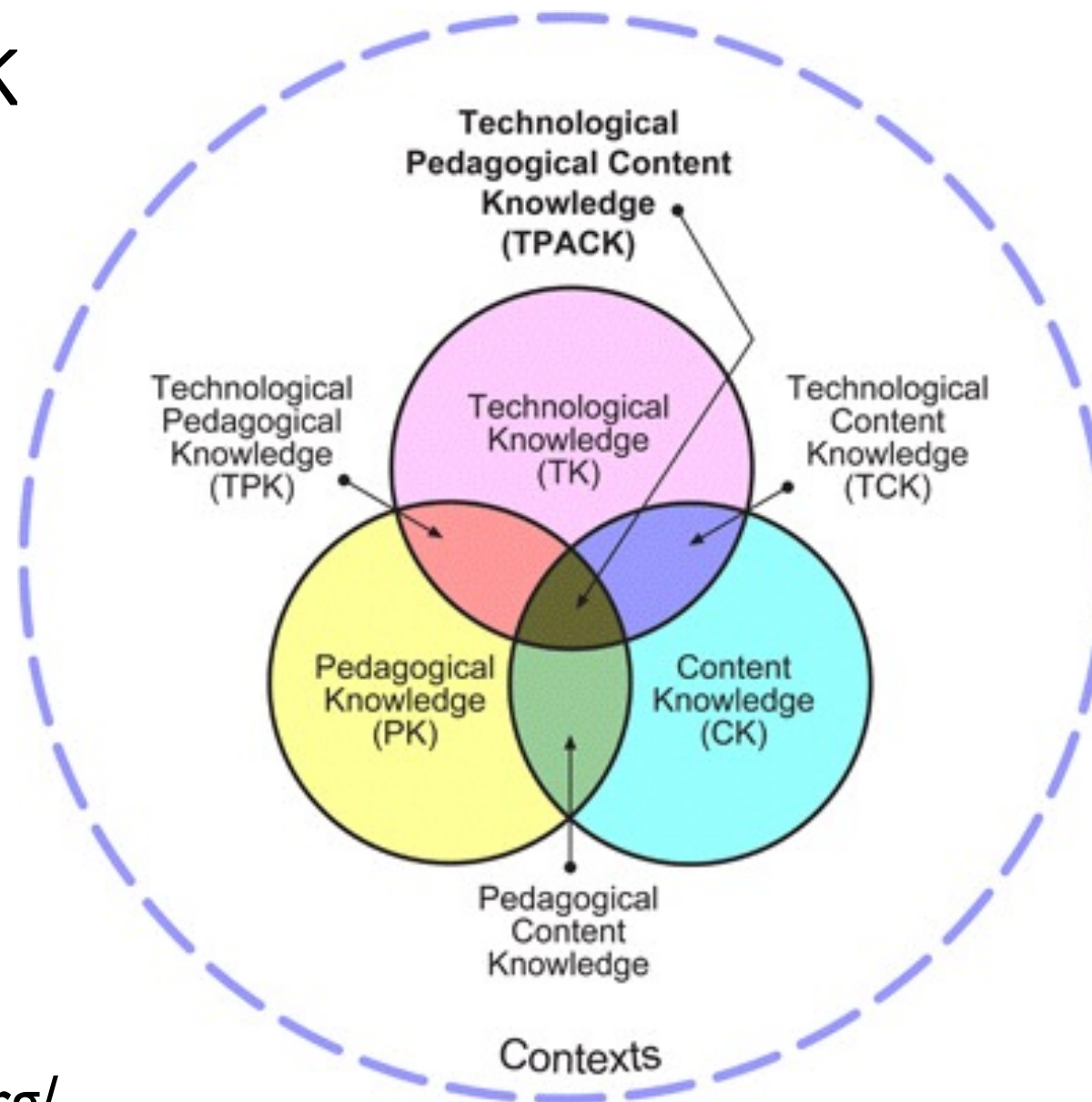
## ***Transformation***

<b>Redefinition</b>	App allows for the creation of new tasks, previously inconceivable	List Appactivities Here
<b>Modification</b>	App allows for significant redesign	
<b>Augmentation</b>	App acts as direct tool substitute, with functional improvement	
<b>Substitution</b>	App acts as direct tool substitute, with no functional change	

## ***Enhancement***

# Digging Even Deeper

- TPaCK



<http://tpack.org/>



# Agenda

1. Introductions
2. Creativity
3. App Exploration
4. App Affordances/Constraints
5. Bloom's & App Classification
6. SAMR & Apptivity Classification
- 7. Apptivity Exploration & Tweaking - 45 min**

# Task – Apptivity Tweaking

- Individually, Pairs or Groups
  - explore selected Apptivities
  - select 1 that could be improved
  - explain how you would tweak it to improve it in terms of Bloom's and/or SAMR
- Group share
- Post to Google Form



# This Opportunity IS:

- a slow, thoughtful & intentional start
- an iterative process intended to dig underneath the surface of everyday practice
- a chance to explore meaningful ways to leverage student use of resources
- mentally stimulating + fun = “hard fun” (Papert)
- a chance to explore the relationships & interplay between Technology, Pedagogy & Content Knowledge (TPaCK)
- an effort to design learning in ways that reach beyond Substitution and Augmentation to Modification and Redefinition (SAMR)
- a challenge to rethink, reimagine and redesign learning experiences in ways that build student capacity as critical thinkers, problem solvers, reflective learners, risk takers and explorers of their own learning practice

# This Opportunity is NOT:

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- Another initiative
- A series of “how-to” trainings on devices, apps, programs or digital environments
- Sit & Get
- For the weak-hearted (it won't be easy!)
- About technology
- For those uncomfortable with getting messy, learning “out loud”, or challenging the status quo
- Only for those who “like” or “get” technology



ST. MARIE'S, GOPHER NEWS CO., MINNEAPOLIS, MINN.

GENUINE CURTEICH-CHICAGO "C.T. ART-COLORTONE" POST CARD (REG. U.S. PAT. OFF.)

PLACE  
ONE CENT  
STAMP  
HERE

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name

school address

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Dear Me,  
Don't forget...

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school address

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STAMP  
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